

In the Claims:

1. **(Currently Amended)** Apparatus for scanning a beam of light in a digital image recorder, comprising:

a curved writing surface ~~translating in at least one direction relative to a stationary frame;~~

a rotatable shaft having a first reflective surface ~~not translating in the at least one direction relative to the stationary frame, the curved writing surface translating in at least one direction relative to the first reflective surface;~~

a translator coupled to the curved writing surface causing the translation of the curved writing surface; and

a light source emitting a beam of light directed to the reflective surface for reflection to the curved writing surface.

2. **(Original)** The apparatus of Claim 1, wherein the shaft comprises an air-bearing supporting shaft.

3. **(Original)** The apparatus of Claim 1, wherein the reflective facet is coupled with the shaft at a 45° angle with respect to a central axis of the shaft.

4. **(Original)** The apparatus of Claim 1, further comprising a second reflective facet coupled with the shaft.

5. **(Original)** The apparatus of Claim 1, wherein the shaft and facet continuously rotate through 360° revolutions.

6. **(Original)** The apparatus of Claim 1 further comprising a galvanometer operable to rotate the shaft through less than 360° in a first direction and rotate the shaft through less than 360° in a second direction, opposite the first direction.

7. **(Original)** The apparatus of Claim 1, wherein the facet further comprises a pentaprism operable to bend the light beam 90°.

8. **(Currently Amended)** Apparatus for scanning a beam of light in a digital image recorder, comprising:

a translation stage;

a translational cylinder slidably coupled to the translation stage and having an interior surface comprising a curved writing platen, ~~the translational cylinder translating in at least one direction relative to a stationary frame;~~

a rotatable shaft having a first reflective surface ~~not translating in the at least one direction relative to the stationary frame,~~ the translational cylinder translating in at least one direction relative to the first reflective surface, the translation stage causing the translation of the translational cylinder; and

a light source emitting a beam of light directed to the reflective surface for reflection therefrom to the curved writing platen.

9. **(Original)** The apparatus of Claim 8, wherein the translational cylinder and the rotatable shaft advance one line width, relative to the rotatable shaft, for each revolution of the shaft, in a direction parallel to the central axis of the cylinder.

10. **(Original)** The apparatus of Claim 9, wherein the line width is approximately equal to four and two tenths microns.

11. **(Original)** The apparatus of Claim 8, further comprising a vacuum for removably coupling a sheet of film with the writing platen.

12. **(Original)** The apparatus of Claim 8, further comprising a source of static electricity for removably coupling a sheet of film with the writing platen.

13. **(Original)** The apparatus of Claim 8, further comprising a line start detector operable to produce an electrical pulse in response to the passage of the beam of light over a knife edge, the line start detector and the knife edge coupled with the translational cylinder.

14. **(Original)** The apparatus of Claim 13, further comprising a collimating lens coupled with the translational cylinder between the knife edge and the detector and operable to collimate the beam of light to maintain a substantially constant diameter of the beam to facilitate precise measurement of the beam by the detector.

15. **(Currently Amended)** Apparatus for scanning a beam of light in a digital image recorder, comprising:

a curved writing surface ~~translating in at least one direction relative to a stationary frame;~~

a rotatable shaft having a first reflective surface ~~not translating in the at least one direction relative to the stationary frame, the curved writing surface translating in at least one direction relative to the first reflective surface;~~

a translator coupled to the curved writing surface causing the translation of the curved writing surface;

a plurality of light sources emitting a plurality of light beams;

a reflecting mirror having a plurality of facets thereupon, the facets each disposed at different angles with respect to a central axis, the facets operable to reflect the plurality of light beams parallel to an optical axis; and

thereby directing the plurality of reflected light beams to the reflective surface for reflection to the curved writing surface.

16. **(Original)** The apparatus of Claim 15 wherein the plurality of light sources comprises a plurality of lasers.

17. **(Original)** The apparatus of Claim 15 further comprising a translational stage coupled to the curved writing surface to slidably position the curved writing surface relative to the rotatable shaft.

18. **(Original)** The apparatus of Claim 17 wherein the curved writing surface and the rotatable shaft advance one line width, relative to the rotatable shaft, for each revolution of the shaft, in a direction parallel to the axis of the curved writing surface.

19. **(Original)** The apparatus of Claim 15 further comprising a line start detector operable to produce an electrical pulse in response to the passage of a beam of light over a knife edge, the line start detector and the knife edge coupled with the curved writing surface.

20. **(Previously Added)** The apparatus of Claim 1, wherein the curved writing surface translates parallel to an axis of the rotatable shaft.

21. **(Previously Added)** The apparatus of Claim 8, wherein the translational cylinder translates parallel to an axis of the rotatable shaft.

22. **(Previously Added)** The apparatus of Claim 15, wherein the curved writing surface translates parallel to an axis of the central axis.